



Ports Presentation



Perry Pandya
U.S. EPA Region III

EPA Region III Support of CARE Project

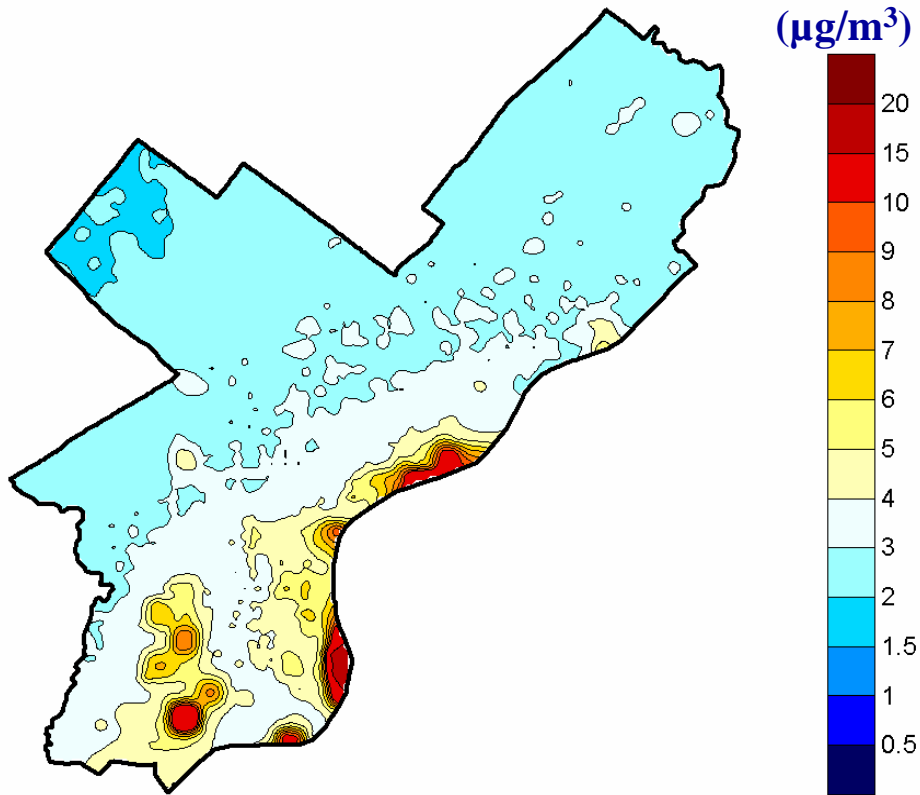
- Contracted a Study of Diesel Particulate Emissions and Potential Control Measures for Port of Philadelphia
- Conducted Risk Assessment/Health Impact Study of Diesel Particulate Emissions from Port of Philadelphia
- Attend Port Subcommittee Meetings
- Co-Sponsor of Mid-Atlantic Clean Ports Workshop – May 10, 2006

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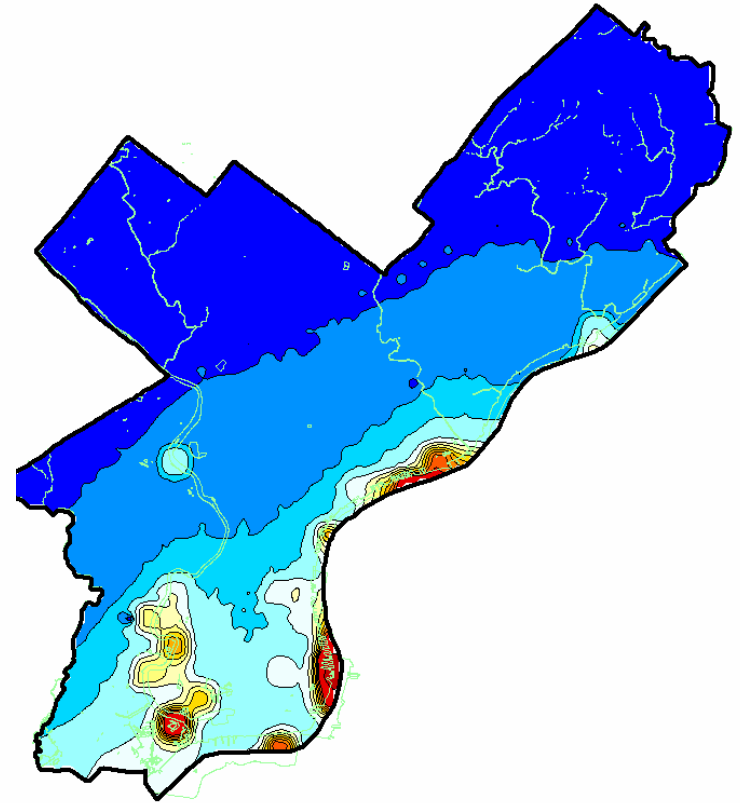
- Quarterly Inter-Divisional Meetings (Air, Water, Superfund/Brownfields)
- Presentations on Port Emissions to Elected Officials, City Council Members, Planning Commissions etc.
- Researching/studying emission reduction measures undertaken at other U.S. Ports
- GIS Maps of Philadelphia Port Terminals
- Diesel PM Modelling Study - Philadelphia

Diesel Particulate Matter

Total Concentration



Marine Contribution



Particulate Matter Costs

- 210 Premature deaths
- 370 Non-fatal heart attacks
- 26,000 Missed days of work
- 3,100 Asthma attacks
- Cost \$30 million
- \$3.6 million in lost wages
- Valued at \$134,000

